

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1 AMENDEMENT 1

**Fibre optic interconnecting devices and passive components – Fibre optic
connector interfaces –
Part 20: Type LC connector family**

**Dispositifs d'interconnexion et composants passifs fibroniques – Interfaces de
connecteurs à fibres optiques –
Partie 20: Famille de connecteurs de type LC**



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IEC Secretariat
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
info@iec.ch
www.iec.ch

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – FIBRE OPTIC CONNECTOR INTERFACES –

Part 20: Type LC connector family

AMENDMENT 1

FOREWORD

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Amendment 1 to IEC 61754-20:2012 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

The text of this Amendment is based on the following documents:

Draft	Report on voting
86B/4534/CDV	86B/4595A/RVC

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this Amendment is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications/.

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4 Interfaces

Replace the text above Table 1 with the following new text:

This document contains the following standard interfaces:

Interface 61754-20-1: simplex plug connector interface – physical contact (PC)

Interface 61754-20-2: simplex adaptor interface

Interface 61754-20-3: simplex active device receptacle interface

Interface 61754-20-4: duplex plug connector interface – PC

Interface 61754-20-5: duplex adaptor interface

Interface 61754-20-6: duplex active device receptacle interface

Interface 61754-20-7: simplex plug connector interface – angled physical contact (APC) 8°

Interface 61754-20-8: duplex plug connector interface – APC 8°

Interface 61754-20-9: simplex plug connector interface – plastic optical fibre (POF) 1,25 mm jacketed outer diameter (OD)

Interface 61754-20-10: duplex plug connector interface – POF 1,25 mm jacketed OD

Interface 61754-20-11: simplex plug connector interface – POF 1 mm

Interface 61754-20-12: duplex plug connector interface – POF 1 mm

Interface 61754-20-13: simplex adaptor interface – POF 1 mm

Interface 61754-20-14: duplex adaptor interface – POF 1 mm

Interface 61754-20-15: simplex active device receptacle interface – POF 1 mm

Interface 61754-20-16: duplex active device receptacle interface – POF 1 mm

Interface 61754-20-17: quad plug interface – PC

Interface 61754-20-18: quad plug interface – APC 8°

Interface 61754-20-19: quad adaptor interface

Interface 61754-20-20: quad active device receptacle interface

- The plug of interface IEC 61754-20-1, interface IEC 61754-20-4 and interface 61754-20-17 has a ferrule with a spherically polished non-angled endface (PC) shown in Figure 2a).
- The plug of interface IEC 61754-20-7, interface IEC 61754-20-8 and interface 61754-20-18 has a ferrule with a spherically polished angled endface (APC) shown in Figure 2c).
- The plug interfaces IEC 61754-20-9 through IEC 61754-20-12 have a flat smooth endface shown in Figure 2b) (POF only).

- Replace Table 1 and Table 2 with the following new Table 1 and Table 2:

9 1 1 ,

[illegible]

Table 2 – Plug to plug intermateability

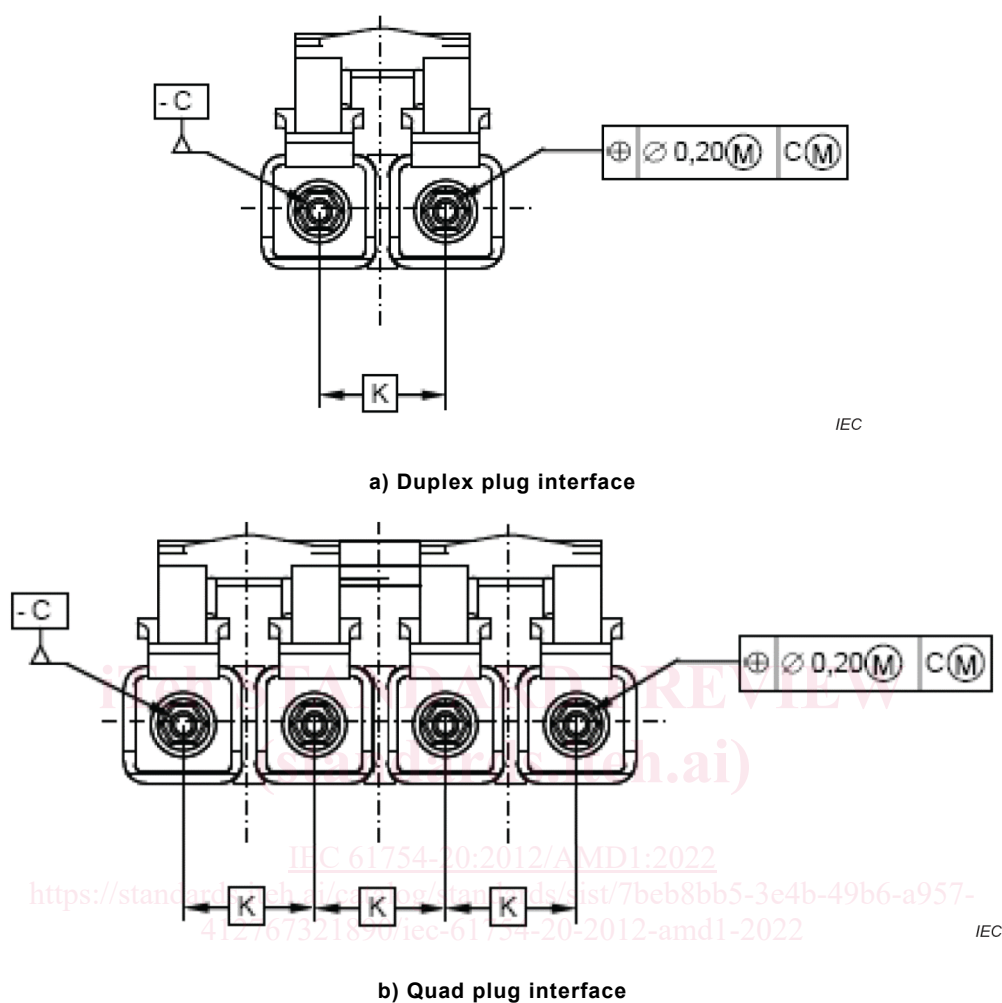
Plug interfaces IEC 61754	Plug Interfaces IEC 61754									
	20-1	20-4	20-7	20-8	20-9	20-10	20-11	20-12	20-17	20-18
20-1	Mate	Mate	Not mate	Not mate	Not mate	Not mate	Not mate	Not mate	Mate	Not mate
20-4	Mate	Mate	Not mate	Not mate	Not mate	Not mate	Not mate	Not mate	Mate	Not mate
20-7	Not mate	Not mate	Mate	Mate	Not mate	Not mate	Not mate	Not mate	Not mate	Mate
20-8	Not mate	Not mate	Mate	Mate	Not mate	Not mate	Not mate	Not mate	Not mate	Mate
20-9	Not mate	Not mate	Not mate	Not mate	Mate	Mate	Not mate	Not mate	Not mate	Not mate
20-10	Not mate	Not mate	Not mate	Not mate	Mate	Mate	Not mate	Not mate	Not mate	Not mate
20-11	Not mate	Not mate	Not mate	Not mate	Not mate	Not mate	Mate	Mate	Not mate	Not mate
20-12	Not mate	Not mate	Not mate	Not mate	Not mate	Not mate	Mate	Mate	Not mate	Not mate
20-17	Mate	Mate	Not mate	Not mate	Not mate	Not mate	Not mate	Not mate	Mate	Not mate
20-18	Not mate	Not mate	Mate	Mate	Not mate	Not mate	Not mate	Not mate	Not mate	Mate

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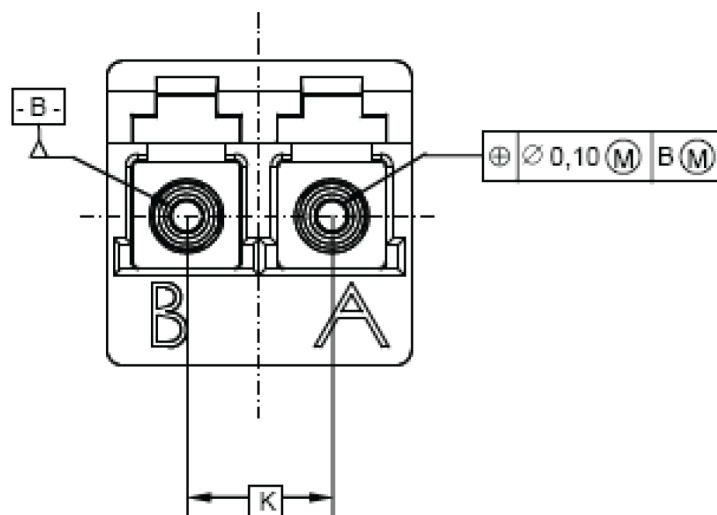
Replace Figure 5, Figure 8 and Figure 10 with the following new Figure 5, Figure 8 and Figure 10:



Key

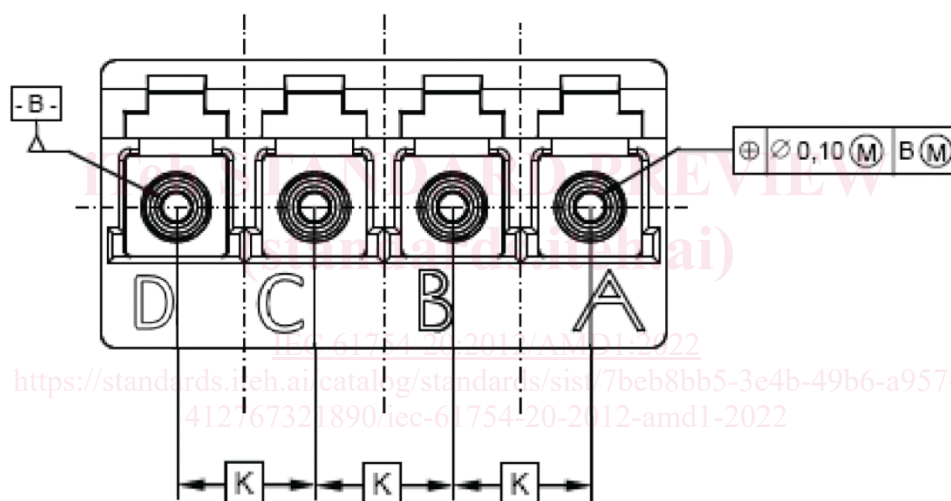
See Table 3.

Figure 5 – Duplex and quad plug interfaces



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a) Duplex adaptor interface



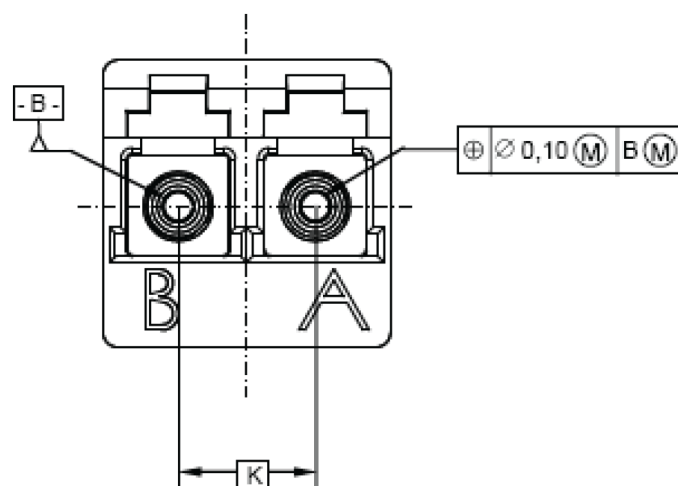
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b) Quad adaptor interfaces

Key

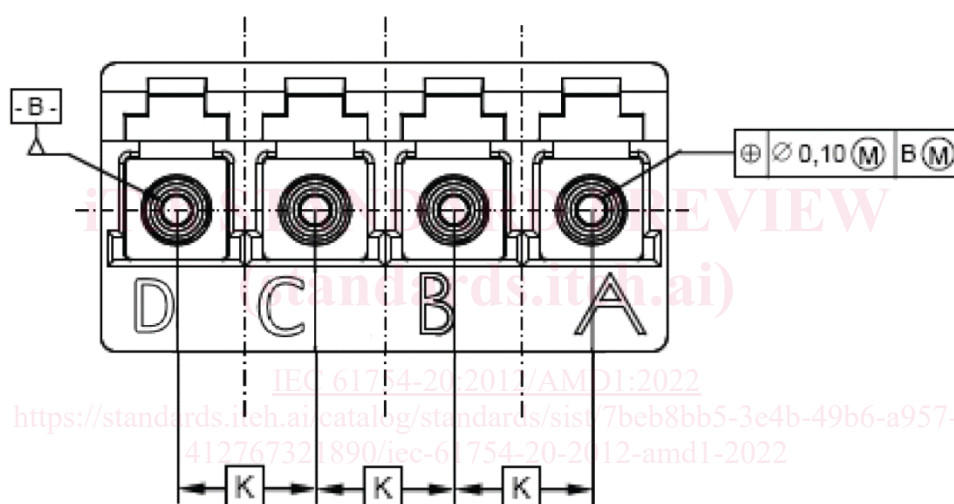
See Table 5.

Figure 8 – Duplex and quad adaptor interfaces



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a) Duplex active device receptacle interface



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b) Quad active device receptacle interface

Key

See Table 6.

Figure 10 – Duplex and quad active device receptacle interfaces